



2-7-05

Attorney's Docket No.: 17601-039001 / 067083.0215

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Steven R. Pauley  
Serial No. : 10/715,300  
Filed : November 17, 2003  
Title : MULTI-PURPOSE WELL BORES AND METHOD FOR ACCESSING A  
SUBTERRANEAN ZONE FROM THE SURFACE

Art Unit : 3672  
Examiner : Thomas S. Bomar

**MAIL STOP AMENDMENT**

Commissioner for Patents  
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Alexandria, VA 22313-1450

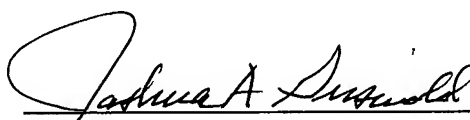
INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed before the receipt of a first Office Action on the merits. No fees are believed to be due. However, please apply any deficiencies or any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

Respectfully submitted,

Date: 2/4/05

  
Joshua A. Griswold  
Reg. No. 46,310

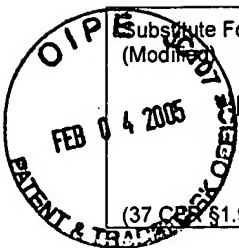
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 Substitute Form PTO-1449  
 (Modified)

 U.S. Department of Commerce  
 Patent and Trademark Office

 Attorney's Docket No.  
 17601-039001

 Application No.  
 10/715,300

**Information Disclosure Statement  
 by Applicant**

(Use several sheets if necessary)

(37 CFR § 1.98(b))

 Applicant  
 Steven R. Pauley

 Filing Date  
 November 17, 2003

 Group Art Unit  
 3672

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	3,744,565	07/10/1973	Brown			
	A2	4,060,130	11/29/1977	Hart			
	A3	4,417,829	11/29/1983	Berezoutzky			
	A4	4,651,836	03/24/1987	Richards			
	A5	4,889,186	12/26/1989	Hanson et al.			
	A6	5,148,877	09/22/1992	MacGregor			
	A7	5,355,967	10/18/1994	Mueller et al.			
	A8	5,676,207	10/14/1997	Simon et al.			
	A9	5,775,443	07/07/1998	Lott			
	A10	6,237,284	05/29/2001	Erickson			
	A11	2002/0043404 A1	04/18/2002	Trueman et al.			
	A12	2004/0140129 A1	07/22/2004	Gardes			
	A13	2004/0226719 A1	11/18/2004	Morgan et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1	EP 1 316 673 A2	06/04/2003	EPO			N/A	
	B2	442,008	01/23/1936	United Kingdom			N/A	
	B3	444,484	03/17/1936	United Kingdom			N/A	
	B4	651,468	04/04/1951	United Kingdom			N/A	
	B5	893,869	04/18/1962	United Kingdom			N/A	
	B6	SU-876968	10/30/1981	Russia			Y	
	B7	WO 2004/035984 A1	04/29/2004	WIPO			N/A	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
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Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-039001	Application No. 10/715,300
	Applicant Steven R. Pauley		
	Filing Date November 17, 2003	Group Art Unit 3672	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	C1	PowerPoint Presentation entitled, "Horizontal Coalbed Methane Wells," by Bob Stayton, Computalog Drilling Services, date is believed to have been in 2002 (39 pages)
	C2	Denney, Dennis, "Drilling Maximum-Reservoir-Contact Wells in the Shaybah Field," SPE 85307, pages 60, 62-63, October 20, 2003
	C3	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (5 pages) and Written Opinion of the International Searching Authority (6 pages) re International Application No. PCT/US2004/012029 mailed September 22, 2004
	C4	Brunner, D.J. and Schwoebel, J.J., "Directional Drilling for Methane Drainage and Exploration in Advance of Mining," REI Drilling Directional Underground, World Coal, 1999, 10 pages
	C5	Thakur, P.C., "A History of Coalbed Methane Drainage From United States Coal Mines," 2003 SME Annual Meeting, February 24-26, Cincinnati, Ohio, 4 pages
	C6	U.S. Climate Change Technology Program, "Technology Options for the Near and Long Term," 4.1.5 Advances in Coal Mine Methane Recovery Systems, pp. 162-164
	C7	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (7 pages) re International Application No. PCT/US2004/017048 mailed October 21, 2004
	C8	Gardes, Robert, "Multi-Seam Completion Technology," Natural Gas Quarterly, E&P, June 2004, pp. 78-81
	C9	Baiton, Nicholas, "Maximize Oil Production and Recovery," Vertizontal Brochure, received 10/2/2002, 4 pages
	C10	Dreiling, Tim, McClelland, M.L. and Bilyeu, Brad, "Horizontal & High Angle Air Drilling in the San Juan Basin, New Mexico," Dated on or about 3/6/2003, pp. 1-11
	C11	Fong, David K., Wong, Frank Y., and McIntyre, Frank J., "An Unexpected Benefit of Horizontal Wells on Offset Vertical Well Productivity in Vertical Miscible Floods," Canadian SPE/CIM/CANMET Paper No. HWC94-09, paper to be presented March 20-23, 1994, Calgary, Canada, 10 pages
	C12	Fischer, Perry A., "What's Happening in Production," World Oil, June 2001, p. 27
	C13	Website of PTTC Network News Volume 7, 1 <sup>st</sup> Quarter 2001, Table of Contents, <a href="http://www.pttc.org/./news/v7n1nn4.htm">http://www.pttc.org/./news/v7n1nn4.htm</a> printed 04/25/2003, 3 pages
	C14	Cox, Richard J.W., "Testing Horizontal Wells While Drilling Underbalanced," Delft University of Technology, August 1998, 68 pages
	C15	McLennan, John, et al., "Underbalanced Drilling Manual," Gas Research Institute, Chicago, Illinois, GRI Reference No. GRI-97/0236, copyright 1997, 502 pages
	C16	The Need for a Viable Multi-Seam Completion Technology for the Powder River Basin, Current Practice and Limitations, Gardes Energy Services, Inc., Believed to be 2003 (8 pages)
	C17	Langley, Diane, "Potential Impact of Microholes Is Far From Diminutive," JPT Online, <a href="http://www.spe.org/spe/jpt/jps">http://www.spe.org/spe/jpt/jps</a> , November 2004 (5 pages)

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	Applicant Steven R. Pauley		
	Filing Date November 17, 2003	Group Art Unit 3672	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	C18	Consol Energy Slides, "Generating Solutions, Fueling Change," Presented at Appalachian E&P Forum, Harris Nesbitt Corp., Boston, October 14, 2004 (29 pages)
	C19	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages), and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2004/024518 mailed November 10, 2004
	C20	Schenk, Christopher J., "Geologic Definition and Resource Assessment of Continuous (Unconventional) Gas Accumulations – the U.S. Experience," Website, <a href="http://aapg.confex.com/.../">http://aapg.confex.com/.../</a> , printed November 16, 2004 (1 page)
	C21	U.S. Department of Interior, U.S. Geological Survey, "Characteristics of Discrete and Basin-Centered Parts of the Lower Silurian Regional Oil and Gas Accumulation, Appalachian Basin: Preliminary Results From a Data Set of 25 oil and Gas Fields," U.S. Geological Survey Open-File Report 98-216, Website, <a href="http://pubs.usgs.gov/of/1998/of98-216/introl.htm">http://pubs.usgs.gov/of/1998/of98-216/introl.htm</a> , printed November 16, 2004 (2 pages)
	C22	Zupanick, J., "Coalbed Methane Extraction," 28 <sup>th</sup> Mineral Law Conference, Lexington, Kentucky, October 16-17, 2003 (48 pages)
	C23	Zupanick, J., "CDX Gas – Pinnacle Project," Presentation at the 2002 Fall Meeting of North American Coal Bed Methane Forum, Morgantown, West Virginia, October 30, 2002 (23 pages)
	C24	Lukas, Andrew, Lucas Drilling Pty Ltd., "Technical Innovation and Engineering Xstrata – Oaky Creek Coal Pty Limited," Presentation at Coal Seam Gas & Mine Methane Conference in Brisbane, November 22-23, 2004 (51 pages)
	C25	Field, Tony, Mitchell Drilling, "Let's Get Technical – Drilling Breakthroughs in Surface to In-Seam in Australia," Presentation at Coal Seam Gas & Mine Methane Conference in Brisbane, November 22-23, 2004 (20 pages)
	C26	Zupanick, Joseph A, "Coal Mine Methane Drainage Utilizing Multilateral Horizontal Wells," 2005 SME Annual Meeting & Exhibit, February 28 – March 2, 2005, Salt Lake City, Utah (6 pages)
	C27	The Official Newsletter of the Cooperative Research Centre for Mining Technology and Equipment, CMTE News 7, "Tight-Radius Drilling Clinches Award," June 2001, 1 page

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